

ABSTRACT

The present invention provides a parallax barrier which can be converted to the transmissive type if necessary, thereby converting 2D viewing to 3D viewing. The parallax barrier of the present
5 invention is constituted by a twist nematic shutter, a polarizer is disposed on the outside surface of a substrate of the parallax barrier, and the substrate can be replaced with a plastic film, whereby the object distance between the view position of the parallax barrier and the display pixel of a display device is a shorter distance so as to
10 provide a 3D image with a shorter view distance.